

Lea K. Hildebrandt | Dr.rer.nat.

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Work Experience

- Postdoc** **University of Würzburg, D**
Experimental Clinical Psychology *2016–Present*
Research on the Mechanisms of Social Attention, with Prof. Matthias Gamer.
- Ph.D. Student** **MPI CBS, Leipzig, D**
Social Neuroscience Department *2012–2016*
Research on the effects of meditation on self-report and physiological markers of emotion regulation in Virtual Reality with Cade McCall, Ph.D., and Prof. Tania Singer
- Research Intern** **MPI CBS, Leipzig, D**
Social Neuroscience Department *2011–2012*
On embodiment of approach and avoidance during realistic social interactions with Cade McCall, Ph.D.
- Research Intern** **University of Amsterdam, NL**
Cognitive Neuroscience Group *2010–2011*
On visual figure-ground segregation using TMS and EEG with Dr. Martijn Wokke
- Teaching Assistant** **University of Twente, NL**
Statistics and Methods, & Cognitive Psychology *2009–2010*

Education

- Dr.rer.nat.** **Humboldt University Berlin, D**
Psychology, *2012–2018*
Carried out at the Virtual Reality Lab of the Max Planck Institute for Human Cognition and Neurosciences, Department of Social Neuroscience, Leipzig.
- M.Sc.** **University of Amsterdam, NL**
Brain and Cognitive Sciences: Cognitive Neuroscience, *2010–2012*
Theses on a) visual processing using EEG & TMS, on b) approach and avoidance, and on c) locus coeruleus activity
- M.Sc.** **University of Twente, NL**
Psychology: Consumer and Behavior, *2009–2013*
Thesis on vicarious shame. Supervisor: Dr. Ir. Peter W. de Vries.
- B.Sc. & Honour's Program** **University of Twente, NL**
Psychology: Cognition, Media, and Ergonomics, *2006–2009*
Thesis: Sensory Dominance in an Audiovisual Conflict Situation. Supervisor: Dr. Durk Talsma.

Publications

Hildebrandt, L. K., McCall, C., & Singer, T. (under review). Socio-Affective versus Socio-Cognitive Mental Trainings Differentially Affect Emotion Regulation Strategies. *Emotion*.

Hildebrandt, L. K., McCall, C., Singer, T. (2017). Differential effects of attention-, compassion- and socio-cognitively based mental practices on self-reports of mindfulness and compassion. *Mindfulness* 8, pp. 1488–1512.

McCall, C.*, **Hildebrandt, L. K.***, Hartmann, R., Baczkowski, B. M., & Singer, T. (2016). Introducing the Wunderkammer as a tool for emotion research: Unconstrained gaze and movement patterns in three emotionally evocative virtual worlds. *Computers in Human Behavior* 59, pp. 93-107.
**shared first authors*

Hildebrandt, L. K., McCall, C., Engen, H. G., & Singer, T. (2016). Cognitive flexibility, heart rate variability, and resilience predict fine-grained regulation of arousal during prolonged threat. *Psychophysiology*, 53(6), 880 - 890.

McCall, C., **Hildebrandt, L. K.**, Bornemann, B., & Singer, T. (2015). Physiophenomenology in retrospect: Memory reliably reflects physiological arousal during a prior threatening experience. *Consciousness and Cognition* 38, pp. 60-70.

Presentations

Psychologie und Gehirn **Gießen, D**
Poster, *2018*
Factors that influence social attention: A replication.

Interactive Eye Gaze **London, UK**
Poster, *2018*
Factors that influence social attention: A replication.

Young Scientist Retreat of the DGPs/Biopsychology **Marburg, D**
Talk, *2017*
Fixation-related potentials during free viewing of complex social scenes

Mind and Life Europe Conference **Berlin, D**
Poster, *2013*
Mindfulness and flexible attention

Endo-Neuro-Psycho Conference **Luntenen, NL**
Poster, *2011*
Dorsal vs. ventral: differential effects of feedback modulation in figure-ground segregation - a combined theta burst stimulation & EEG study

Workshops and Events

Psychophysiological Modeling <i>Workshop,</i> by Dominik Bach	Gießen, D 2018
OpenCon <i>Conference,</i>	Berlin, D 2017
Recurrence Quantification Analysis Workshop <i>Workshop,</i> by Sebastian Wallot	Frankfurt, D 2017
Agent-Based Modeling <i>Workshop,</i> by Paul Smaldino	Eindhoven, NL 2017
Statistical Methods for Linguistics and Psychology <i>Summer School,</i> by Shravan Vasishth, Richard McElreath, Mark Andrews	Potsdam, D 2017
Combining Eye-Tracking and EEG Workshop <i>Workshop,</i> by Olaf Dimigen and Benedikt Ehinger	Wuppertal, D 2017
Linear Mixed Models in R <i>Class,</i> by Roger Mundry (MPI EVA)	Leipzig, D 2016
CIID Interaction Design Summer School <i>Summer School,</i> Participation in two workshops: Foundations of ID & Design for Social Impact	Copenhagen, DK 2015
MPI CBS IMPRS Summer School <i>Summer School,</i>	Leipzig, D 2015
Data Visualization Workshop <i>Workshop,</i> by Moritz Stefaner	Leipzig, D 2015
Cognitive Science Center Amsterdam Summer School <i>Summer School,</i>	Amsterdam, NL 2015

Teaching

Biopsychology

Seminar,

Topic: Social Neuroscience, 3rd semester Bachelor students, 4 semesters taught

University of Würzburg, D

Winter 2016–Summer 2018

Biopsychology

Lecture,

Topic: Peripheral Physiology, Substitute, Bachelor students, two lectures given

University of Würzburg, D

Summer 2018

Empirical and Experimental Practicum

Practicum,

Supervised a small group of students how to carry out a research project and present a poster, Bachelor students

University of Würzburg, D

Summer 2017

Translational Neuroscience

Lecture,

Topic: Social Neuroscience, Master students, one lecture given

University of Würzburg, D

Summer 2017

Cognitive Psychology

Practicum,

Taught students how to carry out a research project and write a report, graded reports, Bachelor students

University of Twente, NL

2010

Statistics

Practicum,

Gave all SPSS and LISREL exercises, Bachelor and Premaster students

University of Twente, NL

2009-2010

Awards

2018: Travel Stipend (750 €) to attend the Psychosystems Summer School

Equal Opportunity Officer of the Faculty of Human Sciences, University of Würzburg

2018: Small grant (1500 €) to buy a PupilLabs Eyetracker for the HTC Vive

Equal Opportunity Officer of the Institute for Psychology, University of Würzburg

2018: Travel Stipend (645 €) to attend the Interactive EyeGaze Conference

Equal Opportunity Officer of the Faculty of Human Sciences, University of Würzburg

2017: Partial Stipend (300 €, registration fee waiver) to attend OpenCon 2017

SPARC Open/OpenCon

2017: Travel Stipend (500 €) to attend SIPS 2017 (used for SMLP 2017)

Equal Opportunity Officer of the Institute for Psychology, University of Würzburg

Memberships

Society for the Improvement of Psychological Science: since 2017

Computer Skills

Basic: Python, AcKnowledge, Brain Vision Analyzer, LedaLab, PsychoPy, CSS, HTML, Unity3D, Blender

Intermediate: SPSS, Jamovi, JASP

Advanced: R, MATLAB

Languages

German: Mothertongue

English: Fluent

Dutch: Formerly fluent

French: Basic

Interests

- Statistics
- Methods
- Social Interactions
- Open Science
- Good Scientific Practice
- Virtual Reality